

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
State Assurance Fund

TABLE OF COST SCHEDULE ITEM CODES

Cost Schedule Item Code	NON-PHASE SPECIFIC ITEMS AND COSTS	Unit of Measure	July 1, 2005 Cost Schedule Amount
PERSONNEL RATES			
1	Principal Level	\$/Hour	\$126
2	Senior Level	\$/Hour	\$108
3	Project Level	\$/Hour	\$92
4	Staff Level	\$/Hour	\$77
5	Field Level	\$/Hour	\$65
6	Technical Level	\$/Hour	\$57
7	Administrative Assistant Level	\$/Hour	\$47
8	Word Processor Level	\$/Hour	\$41
CONTRACTOR PERSONNEL RATES			
9	Construction Field Supervisor Level	\$/Hour	\$82
10	Skilled Laborer Level	\$/Hour	\$52
11	Unskilled Laborer Level	\$/Hour	\$41
12	Equipment Operator Level (Average Rate to Operate a Standard Piece of Equipment)	\$/Hour	\$61
MILEAGE RATES			
13	Consultant Mileage Rate (single person)	\$/Mile	\$0.41
14	Consultant Mileage Rate (two people)	\$/Mile	\$0.41
15	Contractor Daily Travel Mileage Rate	\$/Mile	\$0.41
PER DIEM RATES			
	Per Diem Requirement (# Miles Required)	50 Miles	
16	Fieldwork Per Diem Without Overnight Stay	\$/Day	\$40
17	Fieldwork Per Diem With Overnight Stay (Incl. Lodging)	\$/Day	\$108
MISCELLANEOUS			
18	Health and Safety Plan	\$/HASP	\$714
19	Pursuit of Off-Site Access Agreement with a Private Entity Only	\$/Access	\$1,279
EQUIPMENT RATES			
20	Water Level Indicator	\$/Day	\$40
21	Oil/Water Interface Probe	\$/Day	\$60
22	pH Temperature and Conductivity Meter	\$/Day	\$45
23	Photoionization Detector	\$/Day	\$80
24	Flame Ionization Detector	\$/Day	\$115
25	LEL/O2 Meter	\$/Day	\$60
26	Dissolved Oxygen Meter	\$/Day	\$55
27	1.6" Diameter Disposable Bailer	\$/Bailer	\$6
28	3.3" Diameter Disposable Bailer	\$/Bailer	\$20
29	Combustible Gas Indicator (CGI)	\$/Day	\$80
30	Vapor Sampling Pump Kit	\$/Day	\$30
31	Tedlar Bag (0.5L)	\$/Bag	\$15

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32	Manual-Operated Hand Auger Sampling Kit (Hand Auger/Brass Sleeves)	\$/Day	\$68
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33	Generator ($\leq 6\text{kw}$)	\$/Day	\$80
34	Submersible Pump with Controller	\$/Day	\$160
35	Peristaltic Pump	\$/Day	\$40
CONTRACTOR DRILLING - RELATED ACTIVITIES			
<i>SOIL BORING AND SAMPLING Mobilization/Demobilization (Mob/Demob)</i>			
36	Hollow Stem Auger Drilling Method (includes 60 miles of travel)	Per Event	\$523
37	All Other Drilling Methods (includes 60 miles of travel)	Per Event	\$620
<i>SOIL BORING AND SAMPLING MOB/DEMO ADDITIONAL TRAVEL</i>			
38	Hollow Stem Auger Drilling Method - Mob/Demob Additional Travel (additional mileage over the 60 miles included in #36)	Per Mile	\$5
39	All Other Drilling Methods - Mob/Demob Additional Travel (additional mileage over the 60 miles included in #37)	Per Mile	\$5
<i>SOIL BORING AND SAMPLING</i>			
40	Hollow Stem Auger Drilling Method-Vertical Boring	Per Foot	\$23
41	Hollow Stem Auger Drilling Method-Angle Boring	Per Foot	\$29
42	Limited Access Drilling Method-Vertical Boring	Per Foot	\$38
43	Air Rotary Drilling Method-Vertical Boring	Per Foot	\$40
44	Rotosonic Drilling Method-Vertical Boring	Per Foot	\$44
45	Dual Wall Percussion Drilling Method-Vertical Boring	Per Foot	\$42
46	Dual Wall Percussion Drilling Method-Angle Boring	Per Foot	\$61
47	Soil Boring Abandonment by Grout (all boring diameters)	Per Foot	\$11
CONTRACTOR - WELL INSTALLATION RELATED ACTIVITIES			
<i>DRILLING AND WELL INSTALLATION</i>			
48	2 inch Hollow Stem Auger	Per Foot	\$40
49	4-inch Hollow Stem Auger	Per Foot	\$49
50	6-inch Hollow Stem Auger	Per Foot	\$69
51	2-inch Air Rotary	Per Foot	\$57
52	4-inch Air Rotary	Per Foot	\$66
53	6-inch Air Rotary	Per Foot	\$89
54	2-inch Rotosonic	Per Foot	\$64
55	4-inch Rotosonic	Per Foot	\$67
56	6-inch Rotosonic	Per Foot	\$83
57	2-inch Dual Wall Percussion	Per Foot	\$59
58	4-inch Dual Wall Percussion	Per Foot	\$70
59	6-inch Dual Wall Percussion	Per Foot	\$91
<i>SURFACE COMPLETION</i>			
60	Well Surface Completion: Access Manhole $\leq 12"$	\$/Well	\$312

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61	Well Surface Completion: Access Manhole > 12" to <= 24"	\$/Well	\$526
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WELL DEVELOPMENT MOB/DEMOB			
62	Well Development Mob/Demob	Per Event	\$507
63	Well Development - Mob/Demob Additional Travel (additional mileage over the 60 miles included in #62)	Per Mile	\$5
WELL DEVELOPMENT			
64	2-inch Well: Depth to Water Less Than 100 Feet	\$/Well	\$491
65	2-Inch Well: Depth to Water Equal To or Greater Than 100 Feet	\$/Well	\$610
66	4-Inch Well: Depth to Water Less Than 100 Feet	\$/Well	\$531
67	4-Inch Well: Depth to Water Equal To or Greater Than 100 Feet	\$/Well	\$640
68	6-Inch Well: Depth to Water Less Than 100 Feet	\$/Well	\$652
69	6-Inch Well: Depth to Water Equal To or Greater Than 100 Feet	\$/Well	\$750
MOBILE LABORATORY			
70	Mobile Lab Mob/Demob Rate for a One Person Crew	Per Event	\$396
71	Mobile Lab Mob/Demob Rate for a Two Person Crew	Per Event	\$569
72	Mobile Lab - Mob/Demob Additional Travel Rate for a One Person Crew	Per Mile	\$2
73	Mobile Lab - Mob/Demob Additional Travel Rate for a Two Person Crew	Per Mile	\$2
74	On-Site Mobile Lab Rate for a One Person Crew (Includes Soil and GW analyses)	\$/Hour	\$176
75	On-Site Mobile Lab Rate for a Two Person Crew (Includes Soil and GW analyses)	\$/Hour	\$263
LABORATORY ANALYSIS			
ORGANIC ANALYSIS			
Petroleum Hydrocarbons (HC)- SOIL			
76	HC by ADHS Method 418.1 AZ (Soil Only)	\$/Sample	\$72
77	HC by ADHS Method 8015AZR1 (Soil Only)	\$/Sample	\$96
HC - AIR			
78	HC by ADHS Method 8015AZR1-Modified (Air Only)	\$/Sample	\$108
79	HC/BTEX by EPA Method 8015AZR1(Modified) 8021B (Air Only)	\$/Sample	\$131
8021B SOIL			
80	Aromatic VOCs (BTEX) by EPA Method 8021B (Soil Only)	\$/Sample	\$95
81	Halogenated VOCs (BTEX) by EPA Method 8021B Arizona Target Compounds (Soil Only)	\$/Sample	\$137
82	EPA Method 8021B; Arizona Target Compounds (Soil Only)	\$/Sample	\$162
83	Full List VOCs by EPA Method 8021B (Soil Only)	\$/Sample	\$212
8021B GROUNDWATER			
84	Aromatic VOCs (BTEX) by EPA Method 8021B (Groundwater Only)	\$/Sample	\$100
85	Halogenated VOCs (BTEX) by EPA Method 8021B Arizona Target Compounds (Groundwater Only)	\$/Sample	\$143
86	EPA Method 8021B; Arizona Target Compounds (Groundwater Only)	\$/Sample	\$167
87	Full List VOCs by EPA Method 8021B (Groundwater Only)	\$/Sample	\$205

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8021B AIR			
88	Aromatic VOCs (BTEX) by EPA Method 8021B (Air Only)	\$/Sample	\$145
89	Halogenated VOCs by EPA Method 8021B Arizona Target Compounds (Air Only)	\$/Sample	\$180
8260B SOIL			
90	EPA Method 8260B; Arizona Target Compounds (Soil Only)	\$/Sample	\$227
91	Full List VOCs by EPA Method 8260B (Soil Only)	\$/Sample	\$242
8260B GROUNDWATER			
92	EPA Method 8260B; Arizona Target Compounds (Groundwater Only)	\$/Sample	\$229
93	Full List VOCs by EPA Method 8260B (Groundwater Only)	\$/Sample	\$244
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs)			
94	Semi-Volatile Organics by EPA Method 8270C - base neutral (Soil Only)	\$/Sample	\$237
95	Semi-Volatile Organics by EPA Method 8270C - base neutral (Groundwater Only)	\$/Sample	\$256
96	Polynuclear Aromatic Hydrocarbons (PAHs) by EPA Method 8310 (Soil Only)	\$/Sample	\$179
97	Polynuclear Aromatic Hydrocarbons (PAHs) by EPA Method 8310 (Groundwater Only)	\$/Sample	\$177
BIOFEASIBILITY / BIOTREATABILITY ANALYSIS			
98	Phosphate-P by an Approved EPA/ASTM Method (Soil Only)	\$/Sample	\$39
99	Nitrate + nitrite-N by an Approved EPA/ASTM Method (Soil Only)	\$/Sample	\$43
100	Nitrogen (Soil Only)	\$/Sample	\$45
101	Alkalinity by EPA Method 310.1 (Groundwater Only)	\$/Sample	\$21
102	Total Organic Carbon by EPA Method 415.1	\$/Sample	\$51
103	Total Organic Carbon by EPA Method 9060	\$/Sample	\$64
104	Ammonia by EPA Method 350.3 or other ASTM Method (Groundwater Only)	\$/Sample	\$30
105	Sulfate by EPA Method 375.2 or other ASTM Method (Groundwater Only)	\$/Sample	\$26
106	Nitrate by EPA Method 353.2 (Groundwater Only)	\$/Sample	\$26
107	Alkalinity by EPA Method 310.1 Modified (Soil Only)	\$/Sample	\$22
108	Total Dissolved Solids by EPA Method 160.1	\$/Sample	\$20
109	Total Dissolved Solids by EPA Method 160.3	\$/Sample	\$20
110	Biochemical Oxygen Demand (BOD) by EPA Method 405.1 (Aqueous Matrices Only)	\$/Sample	\$49

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WASTE CHARACTERIZATION ANALYSIS			
111	HC by EPA Method 418.1 (Groundwater Only) - FOR WASTE CHARACTERIZATION AND PERMIT REQUIREMENT PURPOSES ONLY	\$/Sample	\$76
112	TCLP Extraction Lead (Pb) Analysis by EPA Method 1311 and the appropriate SW846 EPA Method	\$/Sample	\$114
113	TCLP Extraction by EPA Method 1311 - Analysis of 8 RCRA Metals by appropriate SW846 EPA Method	\$/Sample	\$255
114	Ignitability Test by EPA Method 1010 (Liquid Only)	\$/Sample	\$47
115	Ignitability Test by EPA Method 1010 Modified (Soil Only)	\$/Sample	\$48
116	Corrosivity pH by EPA Method 9045 (Soil Only)	\$/Sample	\$20
117	Corrosivity pH by EPA Method 9040 (GW Only)	\$/Sample	\$19
118	Paint Filter Free Liquids by EPA Method 9095	\$/Sample	\$21
119	PCB's by EPA Method 8082 (Soil Only]	\$/Sample	\$123
120	Lead (Pb) by an approved SW846 EPA Method (Soil Only)	\$/Sample	\$36
CONTRACTOR - OTHER ACTIVITIES			
INVESTIGATIVE DERIVED WASTE			
121	Containerized Contaminated Water Disposal	\$/Drum	\$141
122	Containerized Contaminated Soil Disposal	\$/Drum	\$323
123	Landfill Disposal of Petroleum Contaminated Soil	\$/Ton	\$40

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Cost Schedule Item Code	PHASE SPECIFIC ITEMS AND COSTS	Unit of Measure	July 1, 2005 Cost Schedule Amount
NOTE: Additional activities (without a Cost Schedule Item Code) that are associated with a Phase can be located on the Phase Code Table.			
PHASE A - RELEASE CONFIRMATION			
124	14-Day Release Confirmation Report	Per Report	\$559
PHASE B - INITIAL SITE CHARACTERIZATION			
125	Site Reconnaissance and Field Receptor Survey [1/4 Mile]	Lump Sum	\$1,636
PHASE H - REMEDIAL RESPONSE			
126	Pre-Built Remedial Engineering Design (Active Remedial System)	Per Design	\$6,072
PHASE I - OPERATION AND MAINTENANCE			
127	SVE System with Thermal Oxidizer (100 cfm)	\$/Month	\$3,272
128	SVE System with Thermal Oxidizer (250 cfm)	\$/Month	\$4,021
129	SVE System with Thermal Oxidizer (500 cfm)	\$/Month	\$4,656
130	SVE System With Thermal Oxidizer (700 cfm)	\$/Month	\$5,597
131	SVE System with Catalytic Oxidizer (100 cfm)	\$/Month	\$3,310
132	SVE System with Catalytic Oxidizer (250 cfm)	\$/Month	\$4,269
133	SVE System with Catalytic Oxidizer (500 cfm)	\$/Month	\$5,069
134	Air Sparge System (up to 100 cfm and up to 12 psi)	\$/Month	\$1,029
135	Air Sparge System (up to 100 cfm and 12 psi to 100 psi)	\$/Month	\$1,297
136	Blower, 160 CFM	\$/Month	\$1,056
137	Blower, 280 CFM	\$/Month	\$1,353
PHASE K - REMEDIAL EXCAVATION			
138	Remedial Excavation	Per Cubic Yard	\$12
139	Backfill and Compaction of Remedial Excavation	\$/Ton	\$21
PHASE L - TANK CLOSURE			
140	Tank Closure Contractor Mob/Demob	Per Event	\$730
141	Tank Closure Contractor Mob/Demob Additional Travel (additional mileage over 60 miles included in #140)	Per Mile	\$5
PHASE N - REPORTING			
ADEQ-Approved Site Characterization Report (SCR)			
142	ADEQ-Approved SCR; Up To 4 Soil Borings	\$/Report	\$4,232
143	ADEQ-Approved SCR; Up To 4 Groundwater Monitor Wells	\$/Report	\$5,259
144	ADEQ-Approved SCR; Up to 4 Soil Borings and 4 Groundwater Monitor Wells	\$/Report	\$6,101
145	Additional Cost For Each Additional Soil Boring Over 4 the for ADEQ-Approved SCR	\$/Boring	\$295
146	Additional Cost For Each Additional Groundwater Well Over 4 for the ADEQ-Approved SCR	\$/Well	\$325

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ADEQ-Approved Corrective Action Plan (CAP)			
147	ADEQ-Approved Corrective Action Plan (CAP)	\$/CAP	\$7,202
Groundwater Monitoring Report			
148	First Periodic Groundwater Monitoring Report: Up to 4 Groundwater Monitoring Wells	\$/Report	\$2,495
149	Subsequent Periodic Groundwater Monitoring Report: Up To 4 Groundwater Monitoring Wells	\$/Report	\$1,649
150	Additional Cost for Each Additional Groundwater Monitor Well Over 4 for the First Periodic Groundwater Report	Per Well	\$185
151	Additional Cost for Each Additional Groundwater Monitor Well Over 4 for the Subsequent Periodic Groundwater Report	Per Well	\$162
Remedial Progress Report			
152	Initial Periodic Remedial Progress Report (Soil and Groundwater)	\$/Report	\$2,889
153	Subsequent Periodic Remedial Progress Report (Soil and Groundwater)	\$/Report	\$2,055
Corrective Action Completion Report			
154	Corrective Action Completion Report - -(Previously Titled "Post Remediation Closure Report")	\$/Report	T&M
PHASE P - WORK PLAN AND SAF APPLICATION PREPARATION			
WORK PLANS			
155	ADEQ-Approved Site Characterization Work Plan Scenario 1: Soil Only	\$/Plan	\$4,040
156	ADEQ-Approved Site Characterization Work Plan Scenario 2: Soil and Groundwater	\$/Plan	\$5,284
157	ADEQ-Approved SAF Work Plan to Implement ADEQ-Approved CAP	\$/Plan	\$3,866
SAF APPLICATION PREPARATION			
158	ADEQ-Approved Preapproval Application	\$/Application	\$1,016
159	Reimbursement or Direct Payment Application [Less than or Equal to two (2) Primary Provider Invoices]	\$/Application	\$933
160	Reimbursement or Direct Payment Application [Greater than two (2) Less than or Equal to five (5) Primary Provider Invoices]	\$/Application	\$1,124
161	Reimbursement or Direct Payment Application [Six (6) or more Primary Provider Invoices]	\$/Application	\$1,368